

gene	size cDNA and CT	method for CT	size	direction	oligonucleotide sequence 5' to 3'	gene acc. no.
CAH1011 CT	496 442	enzyme Hpa II	20	sense	GGTGAAGTGGGAGTCAACG	J04038
IL-2 CT	149 178	Insert DNA	20	antisense	CAAAGTTGTCATGGATGACC	
IL-4 CT	227 159	primer deletion	20	sense	CCTCTGGAGGAAGTGTAAA	X02055
IL-7 CT	516 418	4-primer	21	sense	ATGGTTGCTGCTCATCAGC	M73442
IL-8 CT	271 242	double sense	22	antisense	TTCACAGCCACCATGAGAG	J04156
IL-10 CT	617 518	enzyme Ssp I	25	sense	TTAGGTATCTTTGGACTTCCTC	M59932
IL-15 CT	409 339	enzyme BstBI	18	sense	TCCTTGGCAGCTTCCT	X77437
IL-17 CT	471 116	enzyme EcoO109 I	19	antisense	AATTCTGAGCTCTTCAAAACTT	X91211
IL-18 CT	369 267	enzyme Ava II	17	sense	GCGTGGAGCAGGTGAAG	U32659
IL-19 CT	431 358	enzyme Dde I	18	antisense	AAGCCAGAGACAAGATA	M31951
IL-20 CT	426 321	4-primer	24	sense	CCGTGGCTTTGAGTAATGAG	M28879
IL-21 CT	510 422	insert DNA	18	sense	CAGATTCTGTACATTCCTC	U11871
IL-22 CT	529 459	4-primer	22	sense	GGTGGCTCTCCATAG	X14805.91
IL-23 CT	510 422	enzyme Alu I	20	antisense	CTGCGGATCTCTGTGTCATT	A02137
IL-24 CT	529 459	double sense	22	antisense	CCAGAGCTCCAAAGAGTGTG	M28879
IL-25 CT	510 422	double sense	22	antisense	CTAGTGGCCCTGAGATAAAG	M28879
IL-26 CT	529 459	double sense	22	antisense	GCAATGCACTGGCCAGCC	M28879
IL-27 CT	510 422	double sense	22	antisense	TTTACATCTGCTCTGTGG	M28879
IL-28 CT	510 422	double sense	22	antisense	CGGACGCTCGGTGTCATC	M28879
IL-29 CT	510 422	double sense	22	antisense	TCTACTCCGAACCCATT	M28879

FIGURE 1

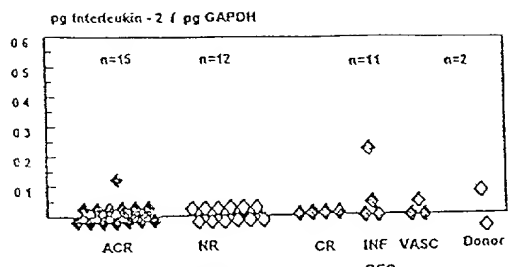


FIGURE 2A

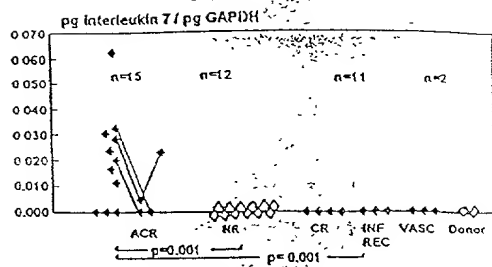


FIGURE 2B

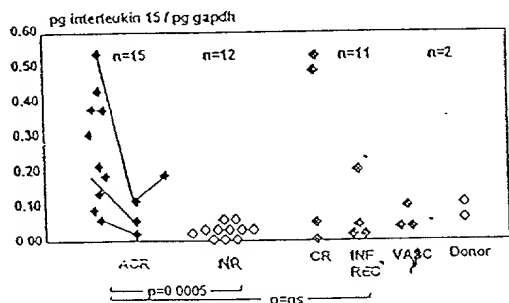


FIGURE 2C

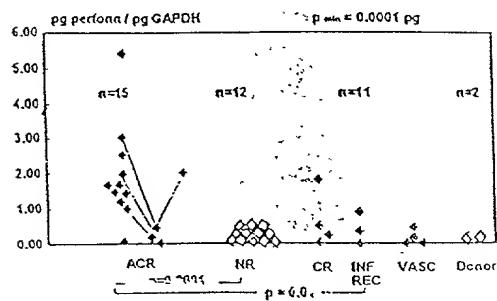


FIGURE 2D

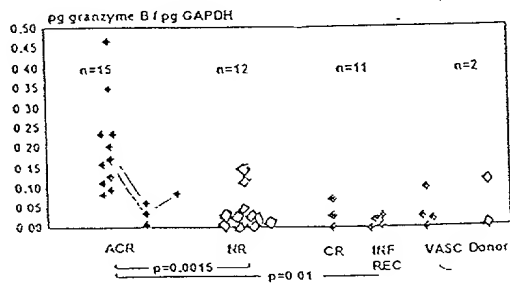


FIGURE 2E

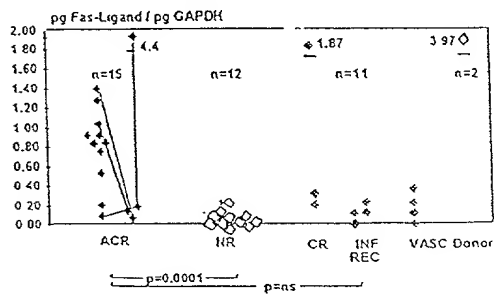


FIGURE 2F

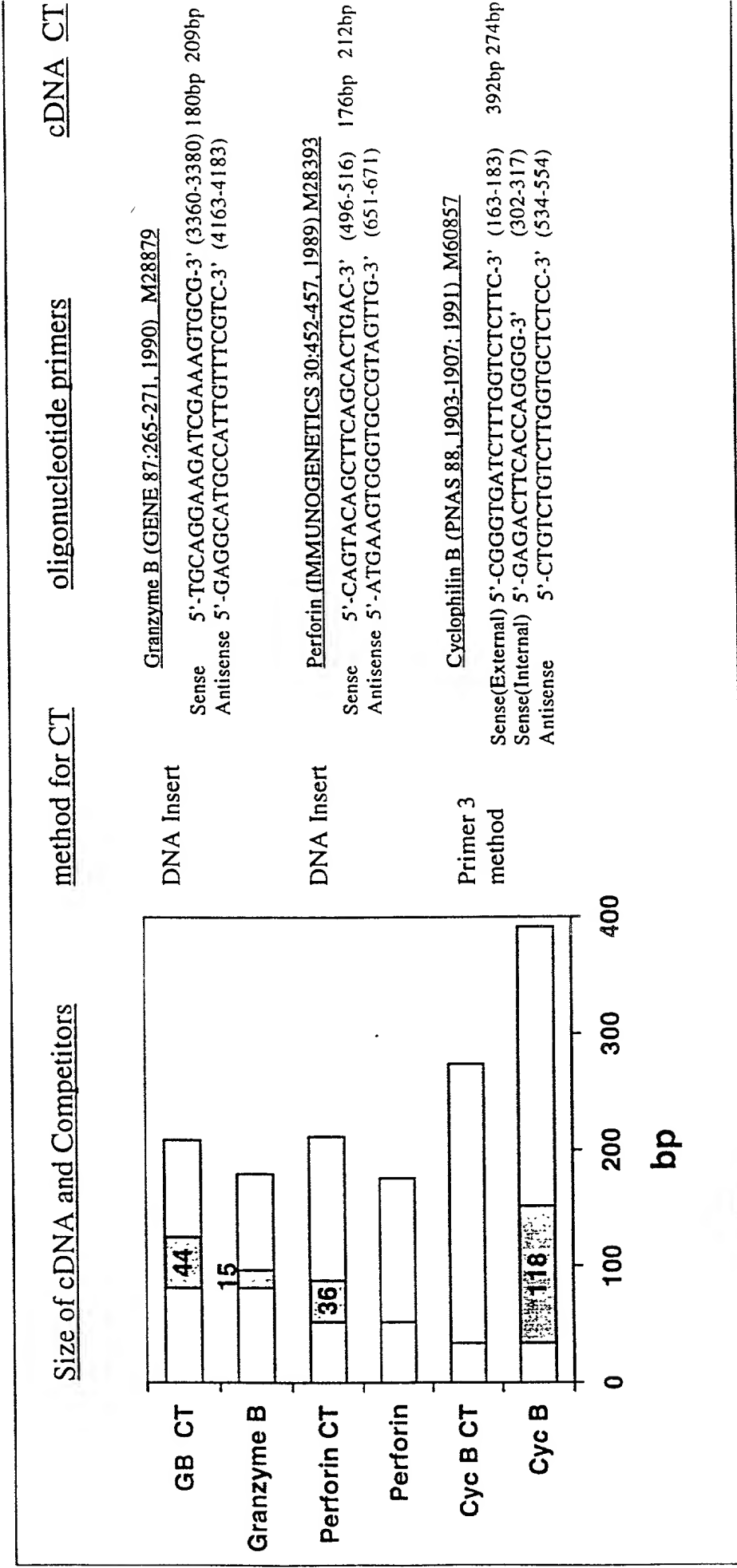


Figure 3

## A. Perforin mRNA

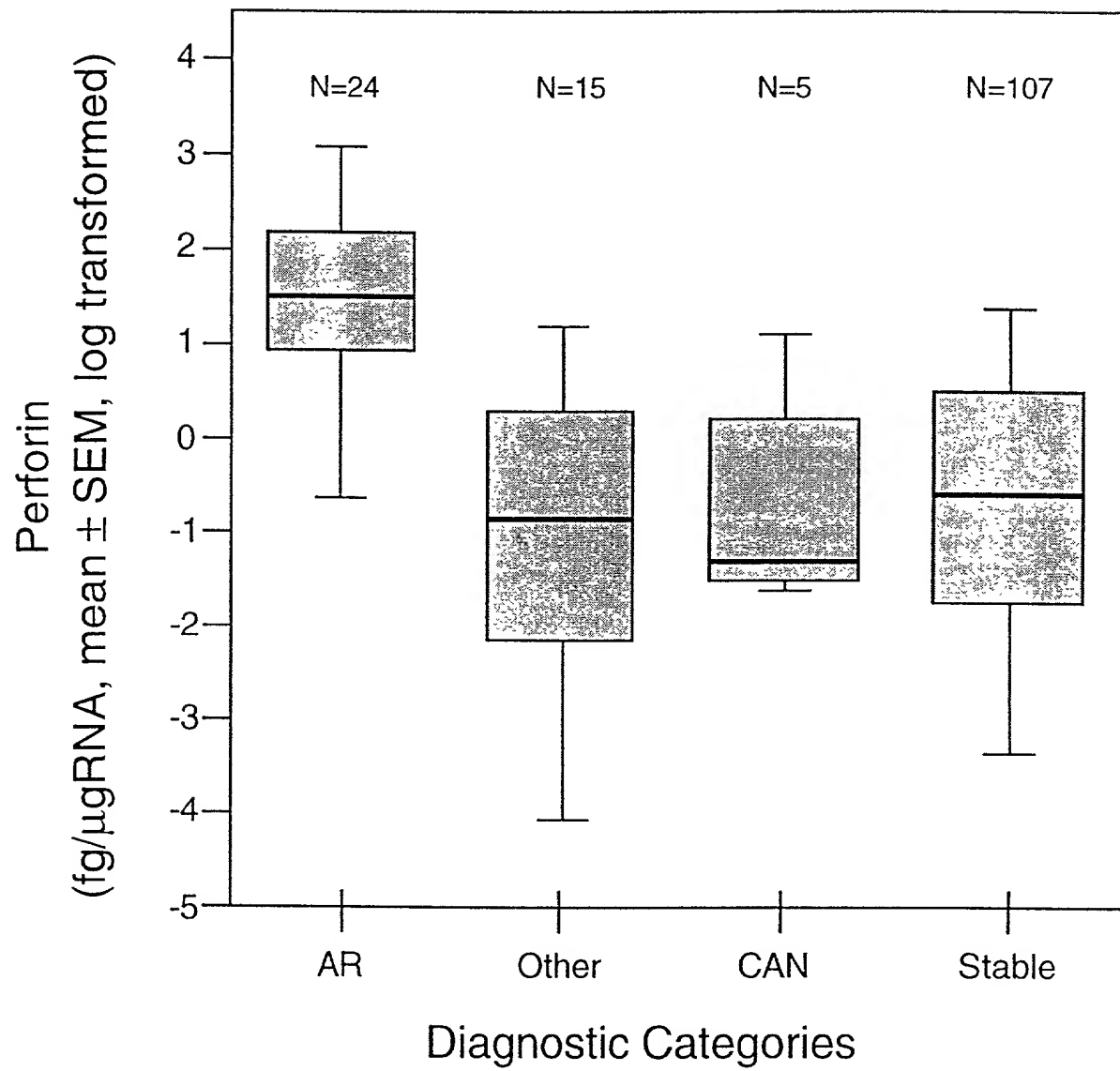


Figure 4A

## B. Granzyme B mRNA

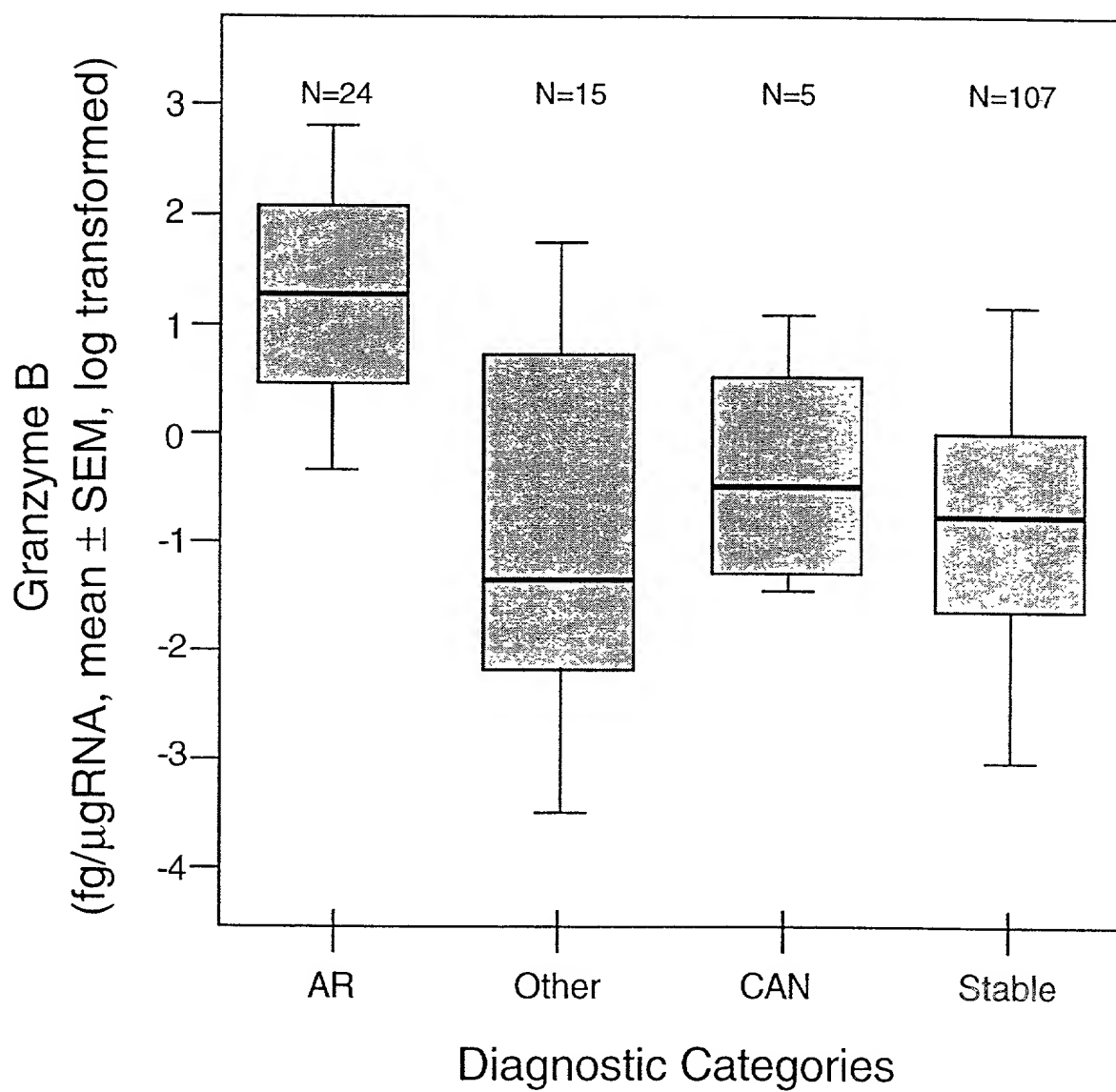


Figure 4B

## C. Cyclophilin B mRNA

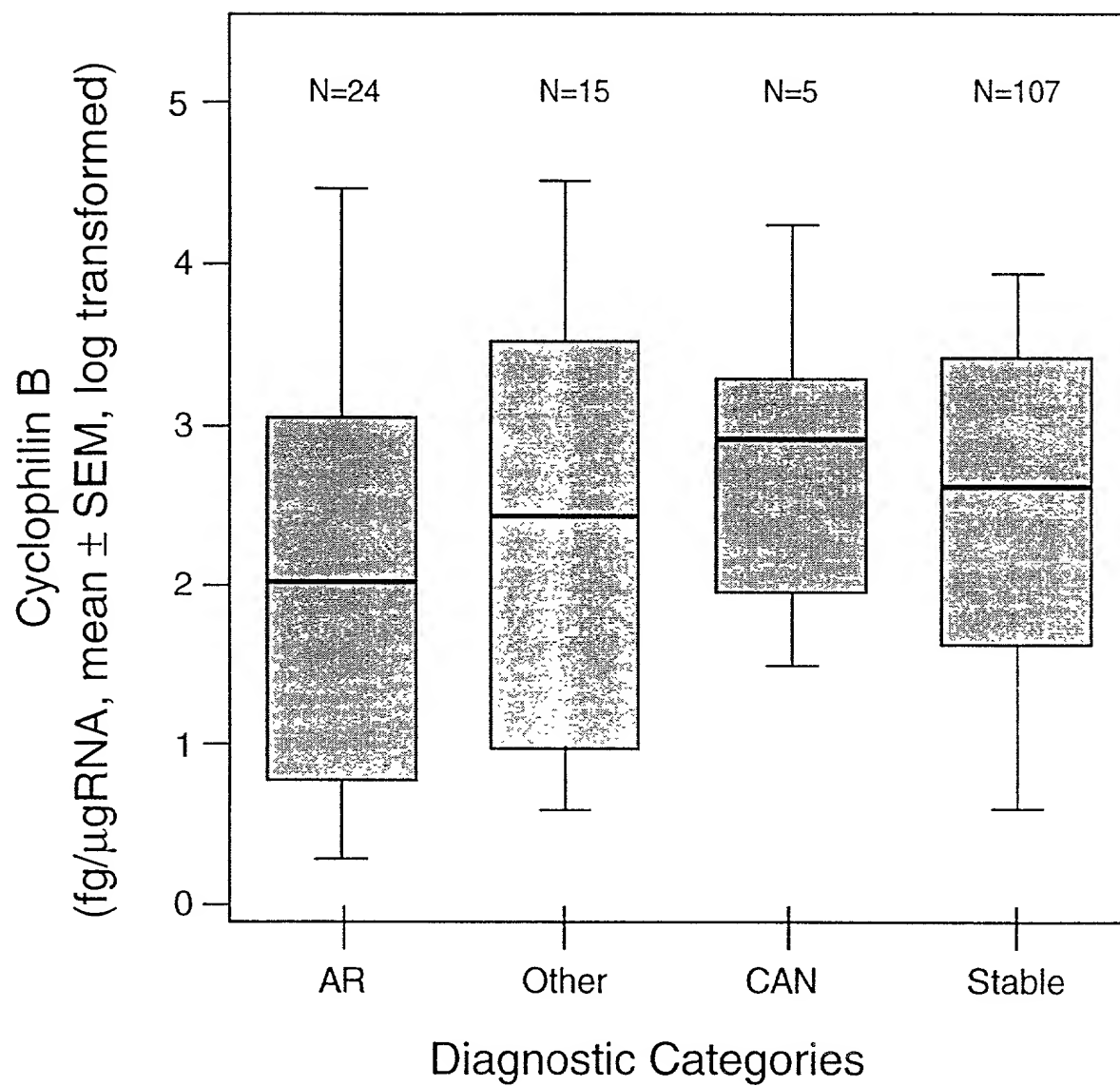


Figure 4C

## A. Perforin mRNA

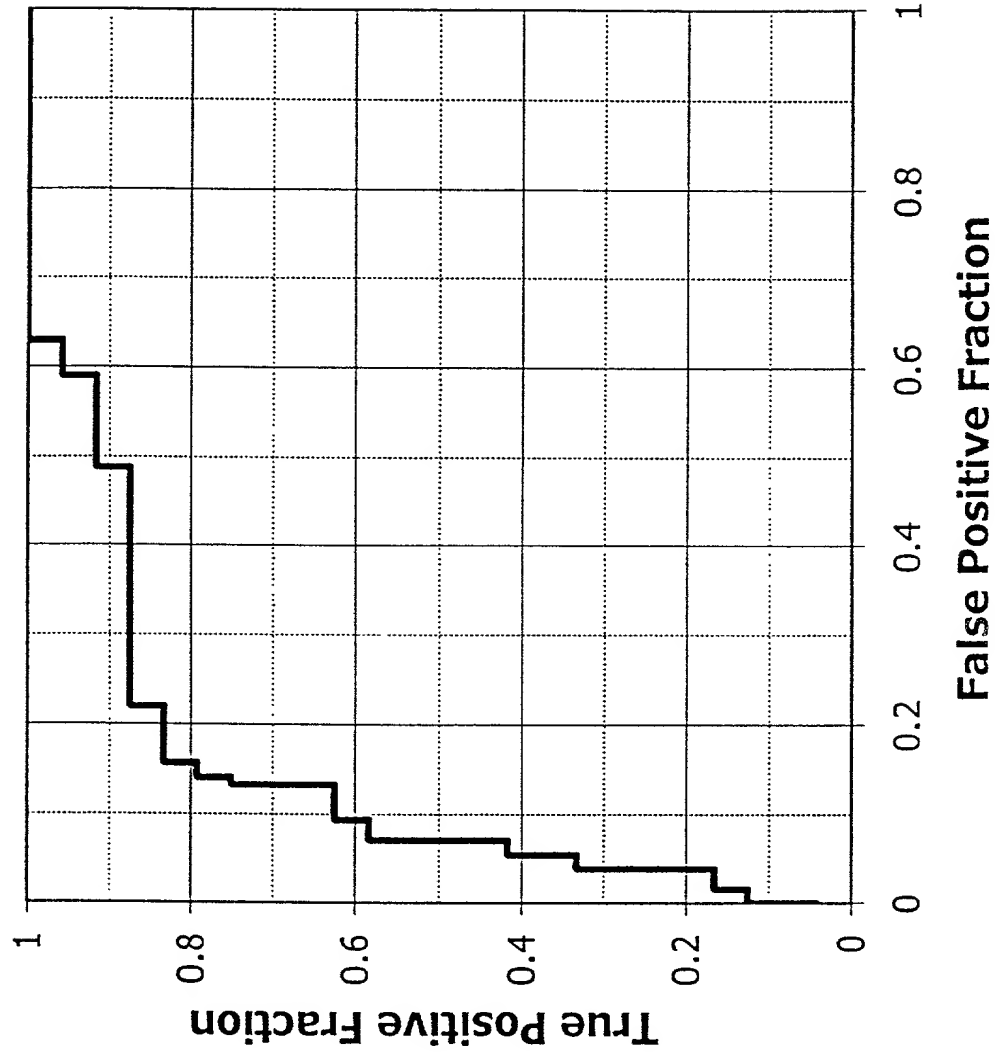


Figure 5A

## B. Granzyme B mRNA

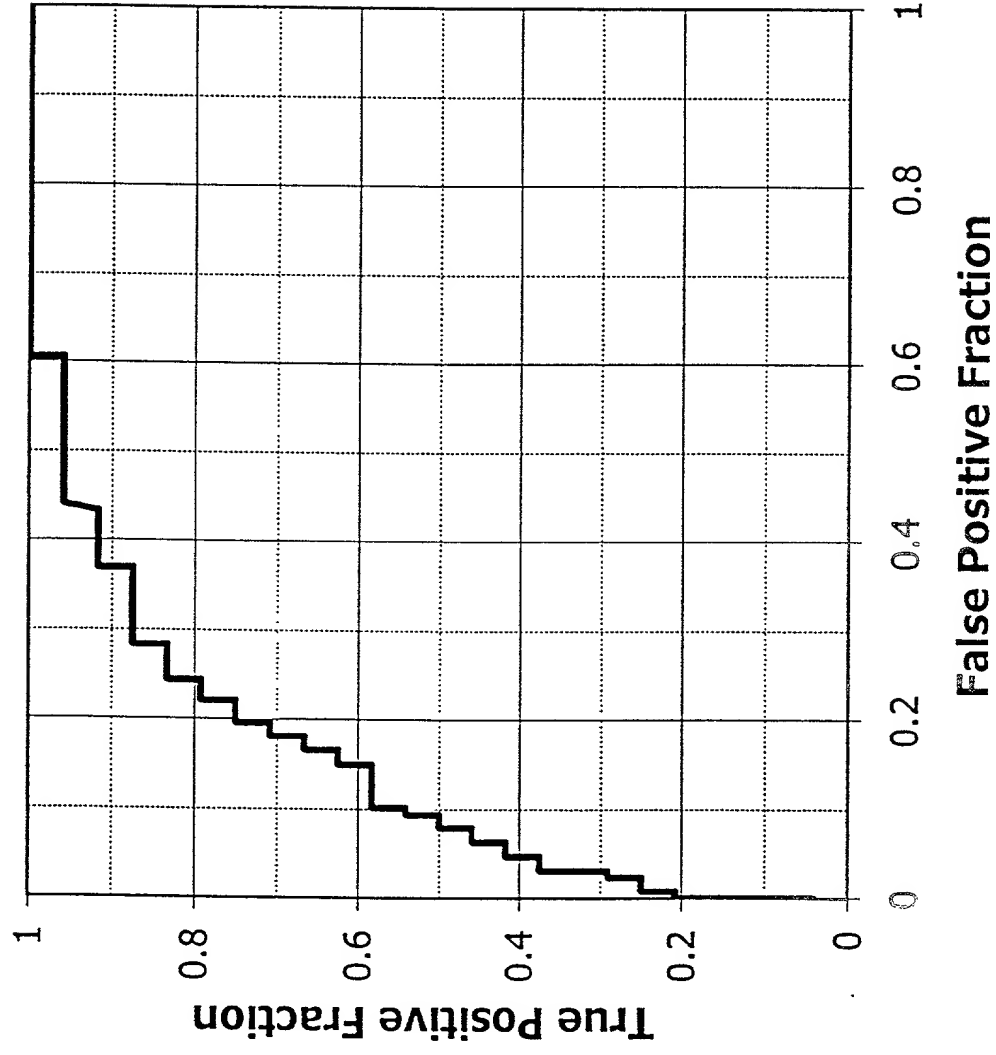


Figure 5B

## C. Cyclophilin B mRNA

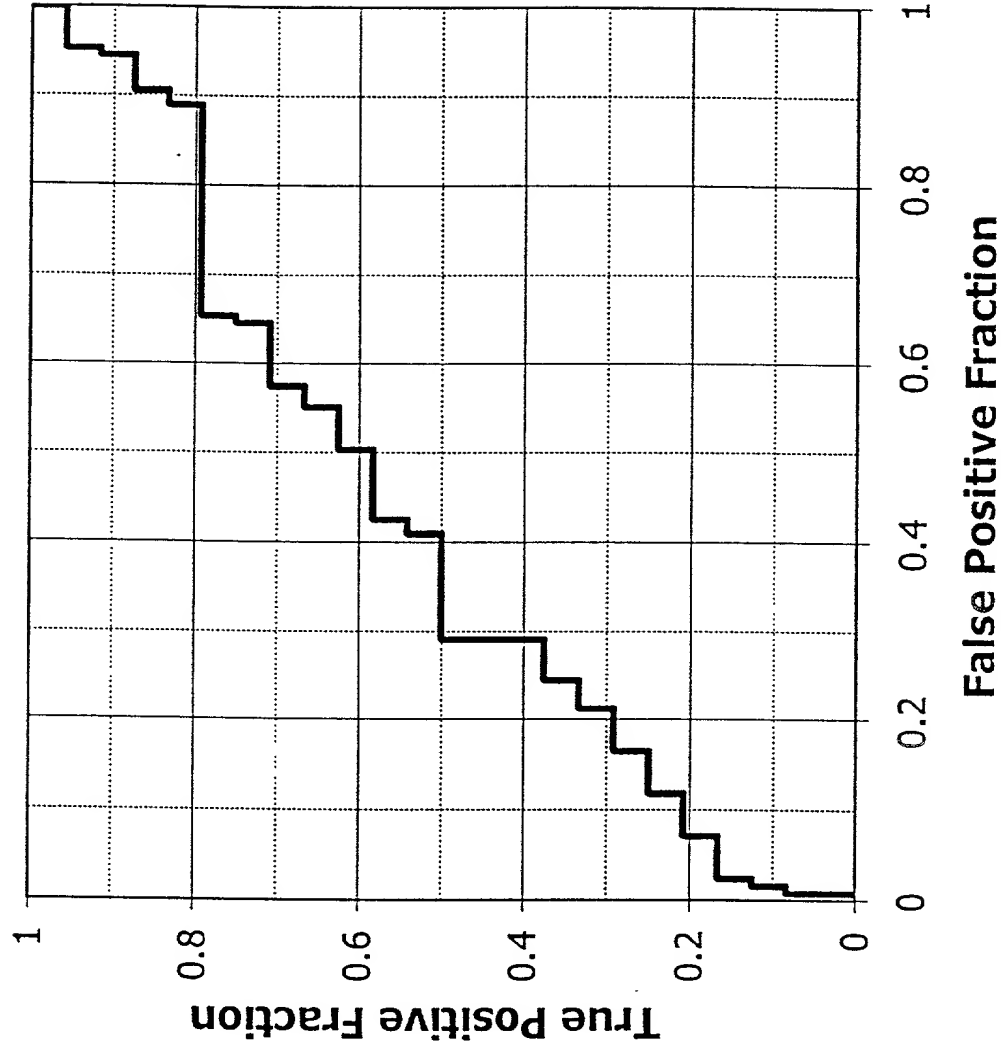


Figure 5C

## A. Perforin mRNA

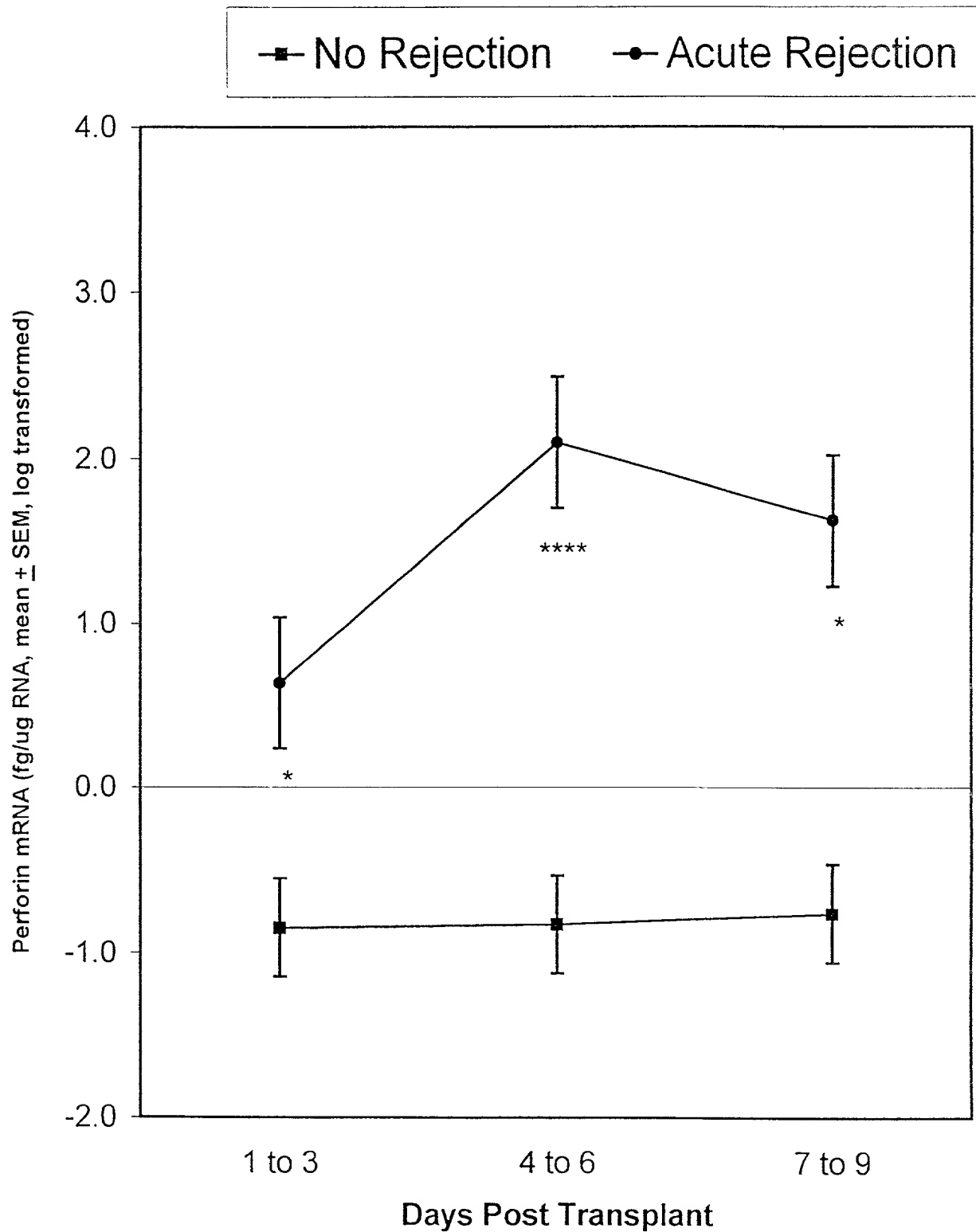


Figure 6A

## B. Granzyme B mRNA

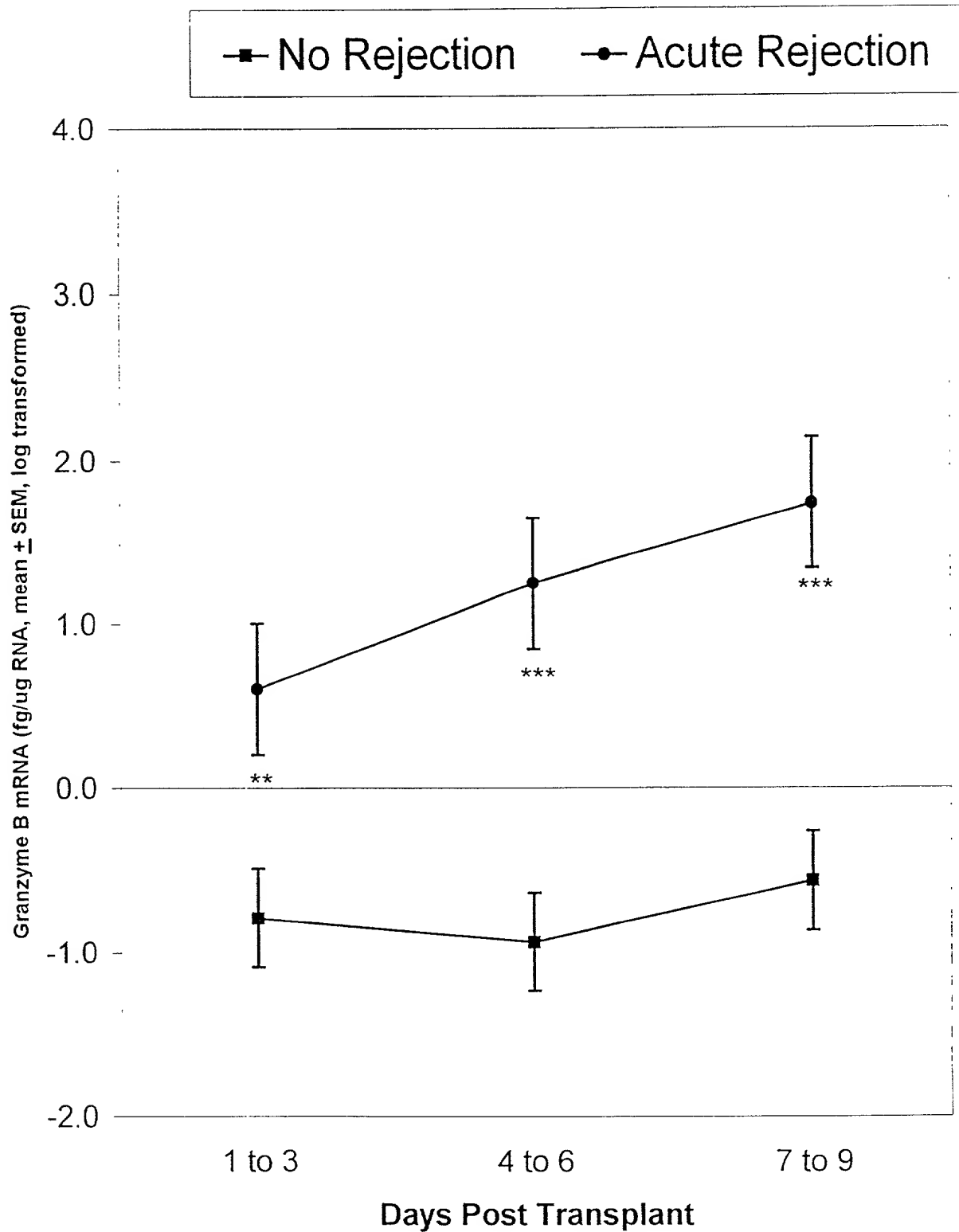


Figure 6B

# C. Cyclophilin B mRNA

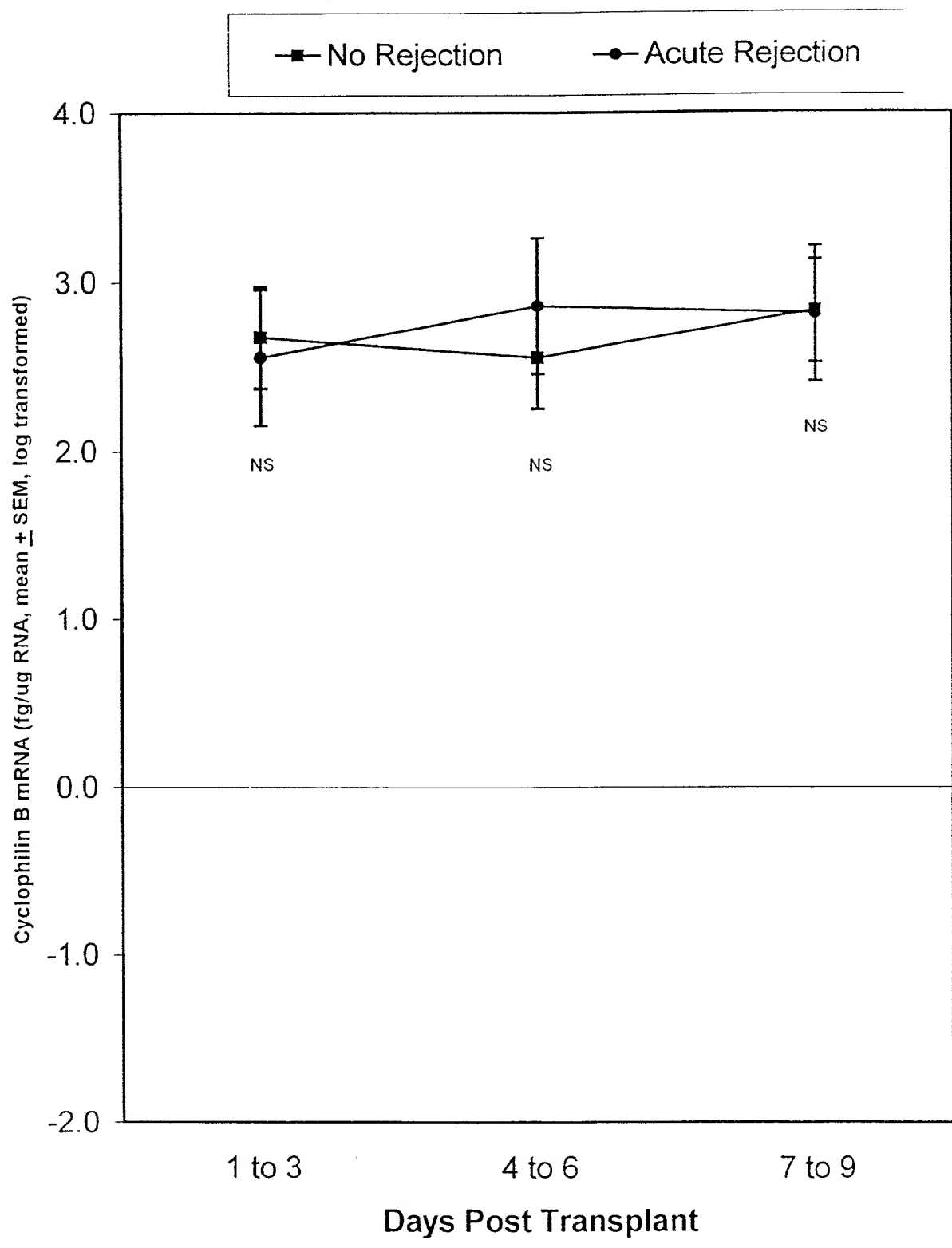
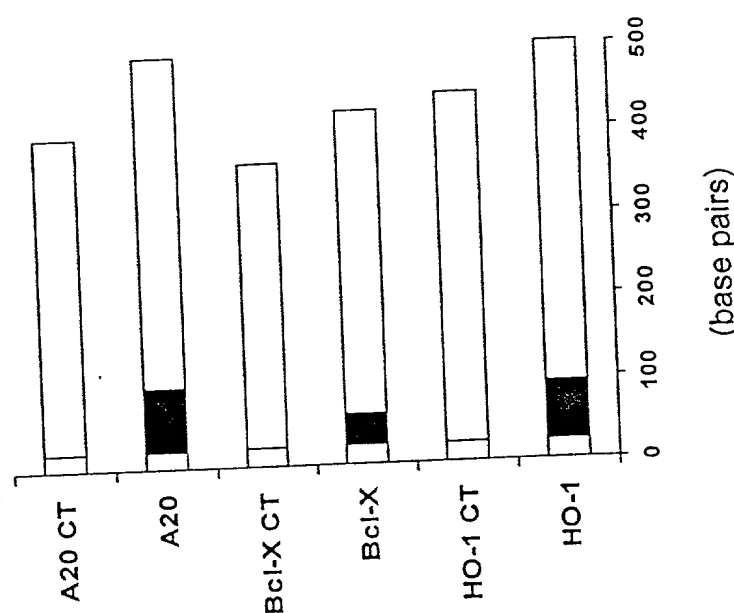


Figure 6C

cDNA CT

oligonucleotide primers



**A20 ( J Biol Chem 1990; 265: 14705-8 ) M 59465**  
 sense(external) 5'- TTT GAG CAA TAT GCG GAA AGC -3' [33-53]  
 sense(internal) 5'-CAT GCA CCG ATA CAC ACT-3' [126-143]  
 antisense 5'- AGT TGT CCC ATT CGT CAT TCC - 3' [491-511]

**Bcl-X<sub>L</sub> ( Cell 1993; 74: 597-608 ) Z 23115**  
 sense( external ) 5'- CAG AAG GCA CTG AAT CGG AGA TGG A -3' [247-270]  
 sense(internal) 5'-CCG CGG TGA ATG GAG CCA CTG-3' [322-342]  
 antisense 5'- CTA GGT GGT CAT TCA GGT AAG TGG C - 3' [646-669]

**Heme oxygenase-1 (Eur J Biochem 1988; 171: 457-61 ) NM 002133**  
 sense( external ) 5'- AGG AGA TTG AGC GCA ACA AG - 3' [268-288]  
 sense(internal) 5'-GGA GCA GGA CCT GGC CTT CTG G-3' [347-368]  
 antisense 5'- GCT CTG GTC CTT GGT GTC AT - 3' [748-768]

Figure 7

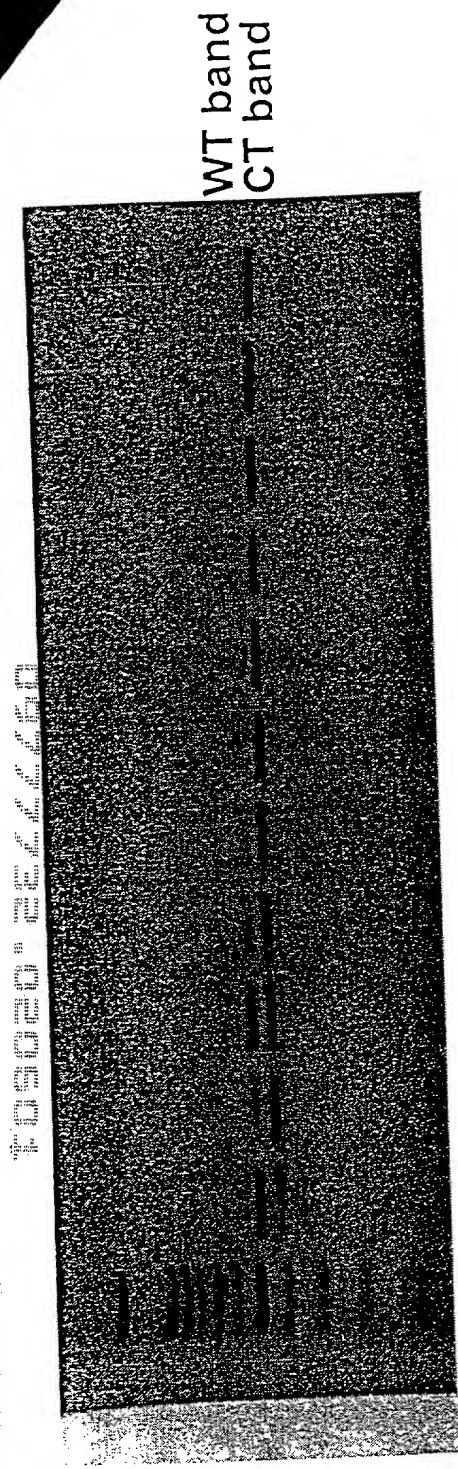


Figure 8A

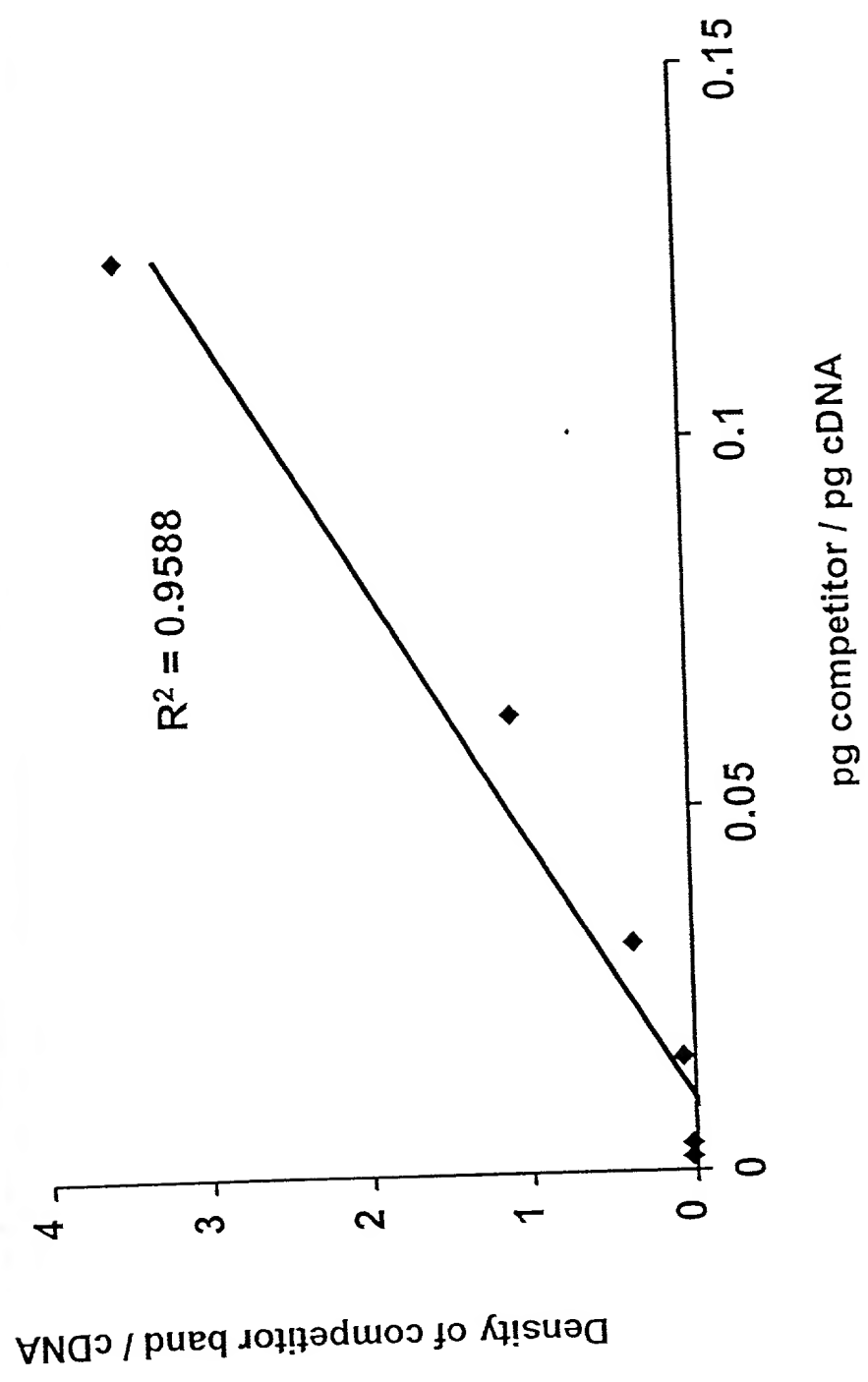


Figure 8B

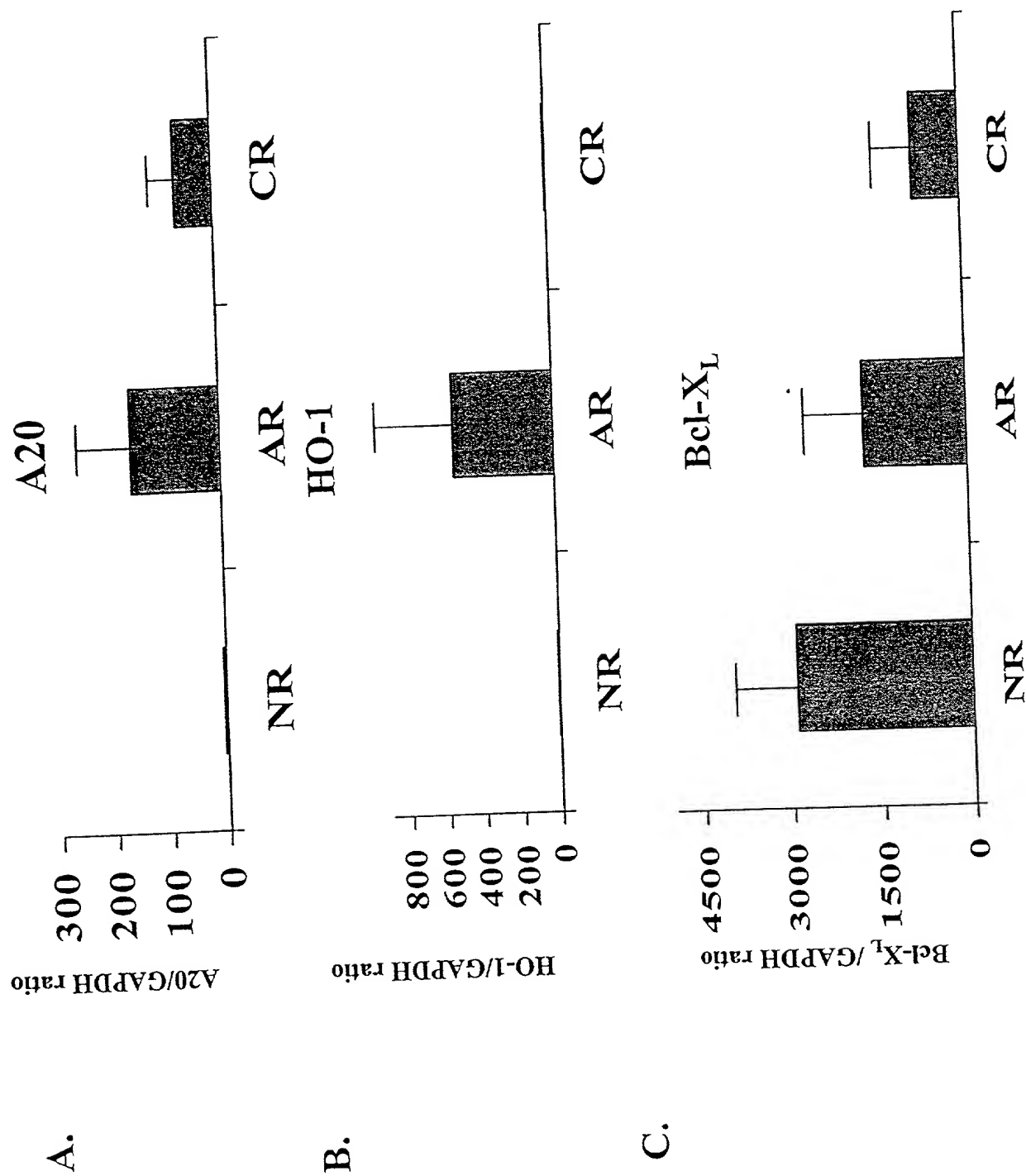


Figure 9

Figures 10 A - C

# A20 protein is localized in endothelial & infiltrating cells of rejected graft

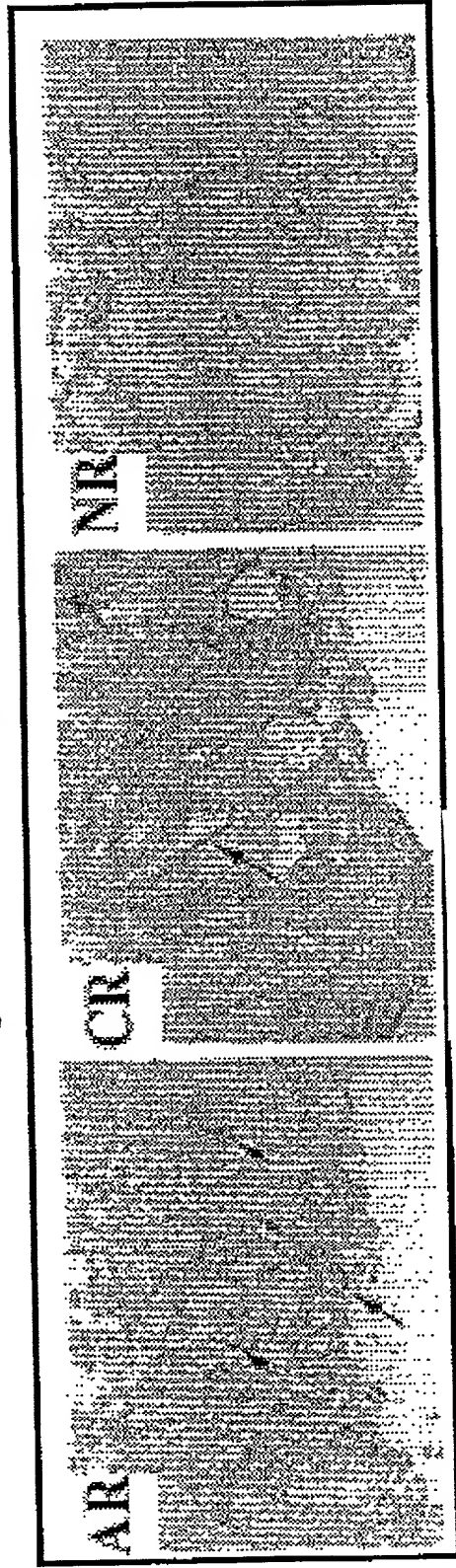


Figure 10C

Figure 10B

Figure 10A

	AR	CR	NR
	acute rejection	chronic rejection	nonrejection
<u>A20</u>			
endothelial	+	+	-
infiltrating	+	+	-

Figures 10 D - F

# HO-1 protein is localized in endothelial & infiltrating cells of rejected graft

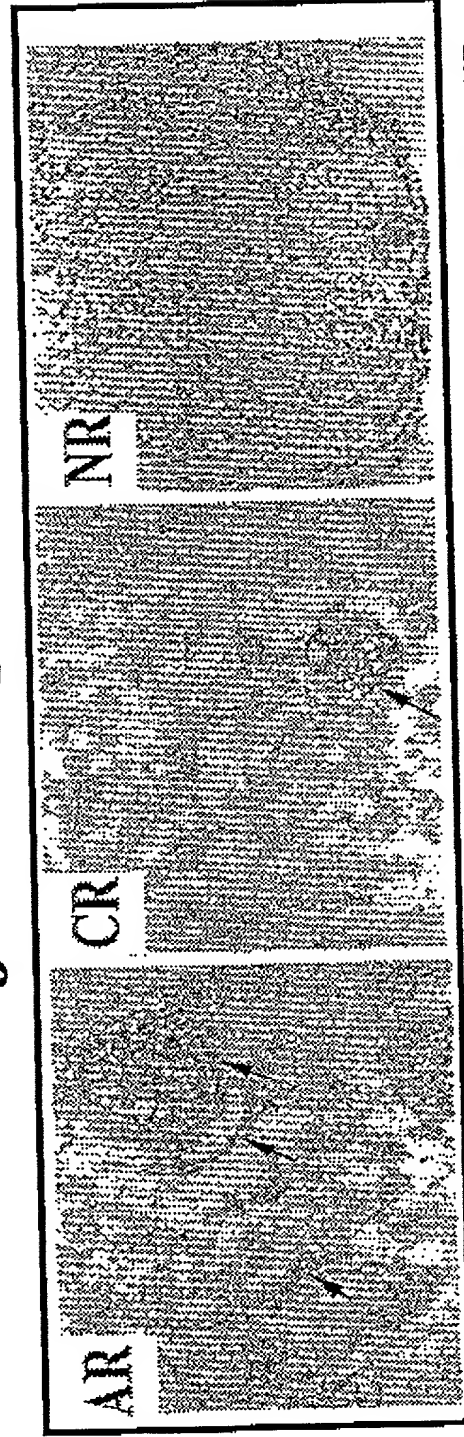


Figure 10F

Figure 10E

Figure 10D

	AR	CR	NR
<u>HO-1</u>	acute rejection	chronic rejection	nonrejection
endothelial	+	-	-
tubular	+	-	-
infiltrating	+	-	-

Figures 10 G - I

# **Bcl-X<sub>L</sub> protein is localized in endothelial cells**

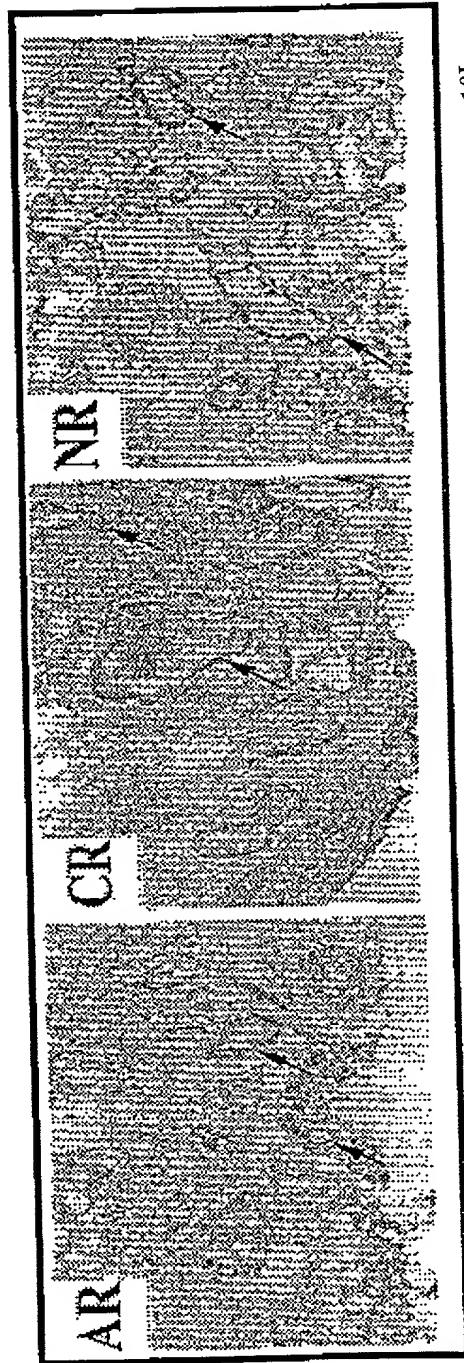


Figure 10G			Figure 10H			Figure 10I		
	AR	CR	NR					
	acute rejection	chronic rejection	nonrejection					
<u>Bcl-X<sub>L</sub></u>	+	+	+					
endothelial								